

PATENT ABSTRACTS OF JAPAN

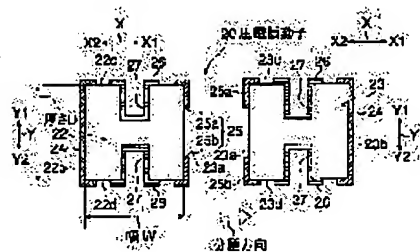
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(21)Application number : 2000-044688 (71)Applicant : SEIKO EPSON CORP  
(22)Date of filing : 22.02.2000 (72)Inventor : FUNASAKA TSUKASA  
KITAMURA FUMITAKA

(54) ANGULAR VELOCITY DETECTING APPARATUS

(57)Abstract:  
PROBLEM TO BE SOLVED: To provide an angular velocity detecting apparatus capable of enhancing the accuracy of the detected angular velocity by grooving the arm portions of a piezoelectric vibrator.  
SOLUTION: The angular velocity detecting apparatus 10 includes the piezoelectric vibrator 20 having a plurality of arm portions 22 and 23 formed in approximately mutually the same shape, a base 12 for retaining the piezoelectric vibrator 20, and a lead 13 attached to the base 12 and electrically connected to the piezoelectric vibrator 20. The piezoelectric vibrator 20 includes a first electrode 25 formed with first surfaces 22a and 23a where the arm portions 22 and 23 are opposed to each other, a second electrode 24 formed with second surfaces 22b and 23b opposite to the first surfaces 22a and 23a, and grooves 27 formed with surfaces approximately perpendicular to the first surfaces.



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